Welding Technology CAS

Academic Year 2022-2023

Career and Technical Division

Program Description:
The Welding Technology Program is an industry-driven, hands-on program that prepares individuals to meet the rigorous demands of the manufacturing sector.

The welding program delivers skills that an individual needs to be successful in industry. This is accomplished through a hands-on approach and intensive student instructor interaction. The best way to learn to weld is by actually welding. Therefore, the focus is put on work done outside the traditional classroom and in a shop setting, providing the student a true feel for the correct way to weld. A major subject is safety and this program teaches individuals how to protect themselves and their environment while completing the job. Students learn a variety of welding methods including TIG, MIG, and SMAW, as well as metal cutting techniques to ensure they have the necessary skills expected by employers. This program provides new welders a firm foundation to earn certification and thrive in the field.

Comprehensive full- and part-time programs are available, thus enabling current workforce members to improve their technical skills and develop professionally while helping their employers become more competitive.

Career Outlook:
For the most current information please refer to the Bureau of Labor Statistics "Occupational Outlook Handbook" found at www.bls.gov/ooh/.

Salary Forecast:
For the most current salary information please refer to the Bureau of Labor Statistics "Occupational Outlook Handbook" found at www.bls.gov/ooh/.

Program Admission Requirements:
The Welding Technology Program has admission and candidacy requirements in addition to the Mountwest Community & Technical College admission guidelines.

Employment Opportunities:

Entry-level positions for which graduates will compete include:

1. General purpose machinery manufacturing
2. Agriculture, construction, and mining machinery manufacturing
3. Commercial and industrial machinery and equipment (excluding automotive and electronic) repair and maintenance
4. Architectural and structural metals manufacturing
5. Motor vehicle body and trailer manufacturing

Contact Information:

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Our mission is to prepare students for careers, civic responsibility and life-long learning.

Welding Technology Certificate – Major Code CW12	
Name:	**ID Number 942-**
Educational Counselor:	
Faculty Advisor:	

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
COM 125	Interpersonal Communication		3				
MT 105	Industrial Safety		2				
WELD 112	Basic Metallurgy		3				
WELD 115	Introduction to Welding		8				
			16				
MAT 135	Technical Math		3				
WELD 120	Shield Metal Arc Welding (SMAW)		5				
WELD	Restricted Electives[1]		3				
IT 101	Fundamentals of Computers		3				
			14				
	HOURS REQUIRED FOR GRADUATION: 30						

[1] Any WELD class not already required in the program may be taken. Students with introductory skill will have a choice between WELD 210 Stick Pipe Welding (SMAW-Pipe) or WELD 125 Advanced SMAW Plate Welding. (each course offered on 8 week schedule).
Students with advanced skills or those with EDGE credits may complete any WELD class except WELD 298 to complete the certificate degree.

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